

Receiving Report

Date: 14/01/27
Supplier: TUYOONH

Batch No: M128004
Dart P/O: 22692

Packing Slip: Yes ☒ No ☐
Invoice: Yes ☐ No ☐
Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
Waybill Attached: Yes ☐ No ☒ N/A ☐
Shipment Complete: Yes ☒ No ☐ N/A ☐
QC6 Inspection DAS ☒ N/A ☐
Work Order 16 ☒ N/A ☒
3-89 14/01/28

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12

Production/Admin: 14/01/27
Date
Received/Costing
Initial

Location _____

Purchase Order Receipt Listing

Tuesday, January 28, 2014 2:11:33 PM

All amounts are calculated in domestic currency.

All Vendors PO ID po22692 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO22692	1		M6061T6S.063	sf	1/24/2014	1/27/2014	336.0000	\$2.24	0.0000	0	\$752.44
CAD	No		6061-T6 .063 Sheet m128054	sf	336.0000	DES102		\$752.44	0.0000	0	
	2		M6061T6S.032	sf	1/24/2014	1/27/2014	336.0000	\$1.22	0.0000	0	\$411.34
	No		6061-T6 Sheet 0.032" m128054	sf	336.0000	DES102		\$411.34	0.0000	0	
	3		M6061T6B1.500X10. f	f	1/24/2014	1/27/2014	36.0000	\$32.35	0.0000	0	\$1,164.50
	No		6061-T6 Bar 1.500"x10.000" m128054	f	36.0000	DES102		\$1,164.50	0.0000	0	
	4		M6061T6B0.750X01. f	f	1/24/2014	1/27/2014	12.0000	\$2.35	0.0000	0	\$28.21
	No		6061-T6 Bar .750 x 1.00 m128054	f	12.0000	DES102		\$28.21	0.0000	0	
	5		M6061T6B2.000X08. f	f	1/24/2014	1/27/2014	12.0000	\$33.64	0.0000	0	\$403.72
	No		6061-T6 BAR 2.00' X 8.00" m128054	f	12.0000	DES102		\$403.72	0.0000	0	
	6		M6061T6B2.500X01. f	f	1/24/2014	1/27/2014	24.0000	\$7.89	0.0000	0	\$189.36
	No		6061-T6 Bar 2.50 x 1.50 m128054	f	24.0000	DES102		\$189.36	0.0000	0	
	7		M6061T6R0.375 f	f	1/24/2014	1/27/2014	24.0000	\$1.18	0.0000	0	\$28.21
	No		6061-T6 Round Bar .375" m128054	f	24.0000	DES102		\$28.21	0.0000	0	

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO22692	8		M6061T6R3.500	f	1/24/2014	1/27/2014	12.0000	\$20.99	0.0000	0	\$251.88
CAD	No		6061 RD bar 3.50	f	12.0000	DES102		\$251.88	0.0000	0	
			m128054								
	9		M304S16GA	sf	1/24/2014	1/27/2014	200.0000	\$3.90	0.0000	0	\$780.28
	No		304/316 Sheet .063	sf	200.0000	DES102		\$780.28	0.0000	0	
			m128054								
Total Received Quantity:											992.0000
Total Qty to Inspect (PO U/M):											0.0000
Total Reject Quantity:											0.0000
Total Receipt Value:											\$4,009.92
Total Balance Due Quantity:											0.0000

B I L L O F L A D I N G

No: PEC 859916

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 23Jan14 at 9:51 From PFW
Probill

Via TRANSFER VIM
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-643850- 1 Your PO # 22692
ALUMINUM FLT BAR ECONOPLT 6061-T6511
1.500" X 10.00" X 144.0000"

Heat Number 201400488
Tag No 255228

Quantity 36 FT

MTR'S
PCS 3

Wt LBS
640

2) Our Order PEC-643850- 2 Your PO # 22692
ALUMINUM FLAT BAR 6061-T6511
.750" x 1.00" X 144.0000"

Heat Number 201324442
Tag No 255229

Quantity 12 FT

MTR'S
PCS 1

Wt LBS
10

3) Our Order PEC-643850- 3 Your PO # 22692
ALUMINUM FLAT BAR 6061-T6511
2.00" X 8.00" X 144.0000"

Heat Number Z00052052
Tag No 255230

Quantity 12 FT

MTR'S
PCS 1

Wt LBS
225

4) Our Order PEC-643850- 4 Your PO # 22692
ALUMINUM FLAT BAR 6061-T6511
1.50" x 2.50" X 144.0000"

Heat Number Z00635019
Tag No 255231

Quantity 24 FT

MTR'S
PCS 2

Wt LBS
106

5) Our Order PEC-643850- 5 Your PO # 22692
ALUMINUM ROUND BAR 6061-T6511
.375" DIA X 144.0000"

Heat Number 163810-5
Tag No 255232

Quantity 24 FT

MTR'S
PCS 2

Wt LBS
4

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

B I L L O F L A D I N G
Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
DART AEROSPACE

No: PEC 859916
Ship Date 23Jan14 at 9:51 From PFW
Probill
Via TRANSFER VIM
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-643850- 6 Your PO # 22692
ALUMINUM ROUND BAR 6061-T6511
3.50" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
163856-11	255233	12 FT	1	136

7) Our Order PEC-643850- 7 Your PO # 22692
STAINLESS STEEL SHEET 304-2B
.0600 Nom X 48.0000" X 120.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
0501495	254962	200.00 SFT	5	501

Tags	PCS	LBS
7	15	1622

Heat Number
163810-5
163856-11
201324442
201400488
Z00052052
Z00635019

*** Chemical Analysis ***

ADD ON TO 643846 VIM SUR-CHARGE ADDED

MILL TEST REPORTS, PACKING SLIPS ARE TO
SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

Page: 2Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 859916
 Ship Date 23Jan14 at 9:51 From PFW
 Probill
 Via TRANSFER VIM
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

TOTAL 1 BDL 1 SKID GW. 1718 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
 CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
 **** TEL. 800-926-2600 ****

 * WE STOCK STAINLESS STEEL *
 * PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

 ***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
 ADDED TO EVERY ORDER.***

Page: 3 Last

ALUMINIUM • L'ALUM • CUIVRE • PLASTIQUE • ACIER INOX
 ALUMINIUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

B I L L O F L A D I N G

No: VIM 417758

Ship From:
THYSSENKRUPP MATERIAUX NA
4700 BOIS FRANC
ST. LAURENT, QC H4S 1A7
Tel: 514-337-0161 Fax: 514-745-2968

Ship Date 23Jan14 at 17:59 From VFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-643846- 1 Your PO # 22692
ALUMINUM SHEET 6061 T6

.0640 Nom X 48.0000" X 144.0000"

Heat Number Tag No
469651 248643

Quantity PCS Net Wt Gr LBS
336.00 SFT 7 287 533

1CRATE REC

TOTAL: Tags 1 PCS 7 Net Wt 287 Gr LBS 533

Heat Number
469651

*** Chemical Analysis ***

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

***UNE SURCHARGE D'ENERGIE DE \$25.00
SERA AJOUTEE A CHAQUE COMMANDE.***

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

*** POUR VOS BESOINS D'ACIER INOXYDABLE,

CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600

*** FOR ALL YOUR STAINLESS STEEL NEEDS, CALL US.

*** WE HAVE IT! *** TEL. 800-926-2600 ***

Page: 1 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

14/01/27

27

B I L L O F L A D I N G

No: PEC 859970
Ship Date 24Jan14 at 13:32 From PFW

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-643872- 1 Your PO # 22692
ALUMINUM SHEET 6061 T6

.0320 Nom X 48-0000" X 144.0000"

Heat Number Tag No
652154A6 255430

Quantity PCS Wt LBS
336.00 SFT 7 152

TOTAL: Tags 1 PCS 7 LBS 152

MTR'S

ADD ON TO 643846 VIM SUR-CHARGE ADDED

MILL TEST REPORTS, PACKING SLIPS ARE TO
SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 SKID GW. 332 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE

Page: 1Continued

1 crate R-131 MB

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

B I L L O F L A D I N G

No: PEC 859970

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 24Jan14 at 13:32 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

=====

ADDED TO EVERY ORDER.***

Page: 2 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM FLT BAR ECONOPLT 6061-T6511
1.500" X 10.00" X 144.0000"
PART NO.

PO/Rel 22692

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-859916-001
23Jan14
Pg 1/1



Can Do.

Service Center Metals
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS
FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
194452	5

BILL TO	MANIFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT	CERTIFICATION
ThyssenKrupp Materials NA	212598	PL0744	1/13/2014	ASTM-B221-13 StencilCont
SHIP TO	CUSTOMER P.O.	ALLOY/TEMPER	SALES PERSON	SPECIFICATION
ThyssenKrupp Materials NA, Toronto	PEC-254847	6061-T6511E	David Schroeder	AMS-QQA-200/8 - 1997
Quantity Certified	CUSTOMER PART NUMBER	DESCRIPTION		
1,058 lbs	PL0744	PL 1.500 X 10.000		

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA.

Mechanical Properties		Test Date	Ultimate Tensile Strength (KSI)		Yield Strength (KSI)		Percent Elongation	
Tests	Lot No.		min	max	min	max	min	max
1	201400488	1/9/14	50.20	50.20	46.70	46.70	13.15	13.15

5-29/14

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Melt Source:
1013201	6061	0.74	0.37	0.33	0.11	0.88	0.11	0.07	0.02	97.37	Each Total	United States of America

Print Date: 1/13/2014

Calvin J. Wiggins, Director of Quality & Technical Services

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061 T6 B 1.5 x 10.0 / M128054
 RECEIVED BY: Line Dayarden
 DATE: Jan 27th, 2014
 P/O# 22692
 QUANTITY ORDERED: 36.0'
 THICKNESS ORDERED: 10.0" x 1.50"
 SHEET SIZE:

MATERIAL CERT RECEIVED yes
 QUANTITY RECEIVED: ~~10.000 x 1.511~~ 36.0' 36.0'
 THICKNESS RECEIVED: 10.000 x 1.511
 SHEET SIZE RECEIVED:

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
INCORRECT FINISH	Y	<input checked="" type="radio"/> N	
CORROSION	Y	<input checked="" type="radio"/> N	
INCORRECT GRAIN DIRECTION	Y	<input checked="" type="radio"/> N	
INCORRECT MATERIAL	Y	<input checked="" type="radio"/> N	
INCORRECT THICKNESS	Y	<input checked="" type="radio"/> N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	AMS - QQA - 200/E
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	201400488
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	6061 T6 B 1.50 x 10.0"
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	M128054
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE		6061 T6			5 14/01/28
HARDNESS / DUROMETER READING		10.0 x 2.0 x 1.5			

testers located in the Quality Office

60 HRB

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>16</u>		BY: <u> </u>	
DATE: <u>9-89 14/01/28</u>		DATE: <u> </u>	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
750" x 1.00" x 144.0000"
PART NO.

PO/Rel 22692

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-859916-002

Certificate of Mill Test Results

23 Jan 14

Pg 1/1



Can Do.

Service Center Metals

5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
191268	2

BILL TO
ThyssenKrupp Materials NA
SHP TO
ThyssenKrupp Materials NA, Toronto
Quantity Certified 254 lbs 24 pcs

MANIFEST NUMBER 209700
CUSTOMER PO PEC-253791
CUSTOMER PART NUMBER RB0111
DIE NUMBER RB0111
ALLOY / TEMPER 6061-T6511
DESCRIPTION SCRB .750x1.000
DATE OF SHIPMENT 12/3/2013
SALESPERSON David Schroeder

CERTIFICATION
ASTM-B221-13 StencilCont
SPECIFICATION
AMS-QQA-200/8 - 1997

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Tests Lot No.

3 201324442

12/2/13

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
	min 48.50	max 51.50	min 45.50
			max 48.50
			min 16.30
			max 17.20

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others Each Total	Melt Source:
112435	6061	0.74	0.35	0.32	0.10	0.89	0.09	0.07	0.02	97.42	0.05	0.15
												United States of America

Print Date: 12/3/2013


Calvin J. Wiggins, Director of Quality & Technical Services

Rev. 92311-005

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061 T6 B.75 x 1.00" / M128054
 RECEIVED BY: Lin Desgarden
 DATE: Jan 27, 2014
 P/O# 22692
 QUANTITY ORDERED: 12.0'
 THICKNESS ORDERED: 0.750 x 1.00
 SHEET SIZE:
 MATERIAL CERT RECEIVED: yes
 QUANTITY RECEIVED: 0.998 x 0.750
 THICKNESS RECEIVED: 0.998 x 0.750
 SHEET SIZE RECEIVED:

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
INCORRECT FINISH	Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
INCORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N	
INCORRECT MATERIAL	Y <input checked="" type="radio"/> N	
INCORRECT THICKNESS	Y <input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	AMS-QQA-200/B.
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	201324442
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	6061 T6 B.750 x 1.00
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	M128054
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	 14/01/22
		58 HRB			

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>S</u>	BY: <u> </u>
DATE: <u>14/01/22</u>	DATE: <u> </u>

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
2.00" X 8.00" X 144.0000"
PART NO.

PO/Rel 22692

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-859916-003

23Jan14

Signed by: _____

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-254212-1		CUSTOMER PART NUMBER: ALREC00124		PRODUCT DESCRIPTION: 2.000 X 8.000 PRECISION WIDE BAR	
KAISER ORDER NUMBER: 656139	LINE ITEM: 001	SHIP DATE: 12/03/2013	KAISER LOT NUMBER: Z00052052	ALLOY: 6061	TEMPER: T6511B
WEIGHT SHIPPED: 903.000 LB	QUANTITY: 4.000 PCS	B/L NUMBER: 607680	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00052052	0001	1	54.3	50.8	15.1	RF 95	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.30	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
103252	.76	.29	.29	.10	.95	.09	.04	.03	.00	.00	.00	.01	.03

Applicable Requirements:

PER ASTM-B221-13, STENCILED ASME-SB221 1998 SECT II PER AMS-QQ-A-200/8 (REAF 2012)
UNS# A96061 MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM
MECHANICAL PROPERTIES AS FOLLOWS: UTS - 42.0 KSI MIN YIELD - 38.0 KSI MIN ELONGATION
= 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been
inspected and tested and found in conformance with applicable specifications forming a part of the
description set forth in Kaiser's sales acknowledgment form. Any warranty is limited to that shown on
Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Timothy K. Fargo, Quality & Technology Manager

[Signature]

Plant Serial: 00114889

Kaiser Order Number: 656139

Line Item: 001

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061 T6 B 2.0 x 8.0 / M128054
 RECEIVED BY: Line Designer
 DATE: Jan 27th, 2018
 P/O# 22692
 QUANTITY ORDERED: 20-20 12.0'
 THICKNESS ORDERED: 2.0 x 8.00
 SHEET SIZE:
 MATERIAL CERT RECEIVED: Yes
 QUANTITY RECEIVED: 12' (1 Pcs)
 THICKNESS RECEIVED: 8.00 x 1.989
 SHEET SIZE RECEIVED:

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> (N)	
INCORRECT FINISH	Y <input checked="" type="checkbox"/> (N)	
CORROSION	Y <input checked="" type="checkbox"/> (N)	
INCORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> (N)	
INCORRECT MATERIAL	Y <input checked="" type="checkbox"/> (N)	
INCORRECT THICKNESS	Y <input checked="" type="checkbox"/> (N)	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> (N)	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	AMS - Q2-A-200/E.
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	200052052
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	M128054 6061 T6 2.0 x 8.0
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	M128056
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	S 14/01/18
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING		63 HRB			

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>S</u>	BY: <u> </u>
DATE: <u>14/01/18</u>	DATE: <u> </u>

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
1.50" x 2.50" X 144.0000"
PART NO.

PO/Rel 22692

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-859916-004

23Jan14

Signed by: _____

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-254435-4		CUSTOMER PART NUMBER: 020398-4		PRODUCT DESCRIPTION: 1.500 X 2.500 SC RECT BAR	
KAISER ORDER NUMBER: 656743	LINE ITEM: 004	SHIP DATE: 12/13/2013	KAISER LOT NUMBER: Z00635019	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 529.000 LB	QUANTITY: 10.000 PCS	BL NUMBER: 607776	DIAM/DAE/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00635019	0001	1	51.1	48.6	16.0	RE 93	N/A	N/A
Z00635019	0001	2	50.4	47.5	18.0	RE 93	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
103271	.74	.23	.27	.10	.91	.10	.00	.02	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-13 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 97 (REAF 2012) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been
inspected and tested and found in conformance with applicable specifications forming a part of the
description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on
Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Timothy K. Fargo, Quality & Technology Manager



Plant Serial: 00116249

Kaiser Order Number: 656743

Line Item: 004

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061 T6 B 2.50 x 1.50 / M128054
 RECEIVED BY: Line Degraden
 DATE: Jan 8th, 2014
 P/O# 22692
 QUANTITY ORDERED: 24.01
 THICKNESS ORDERED: 2.50 +1.50
 SHEET SIZE:
 MATERIAL CERT RECEIVED: 341 YC
 QUANTITY RECEIVED: 24.97 + 1.498 = 26.468 (2 pcs)
 THICKNESS RECEIVED: 2.497 + 1.498
 SHEET SIZE RECEIVED:

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
INCORRECT FINISH	Y <input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
INCORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N	
INCORRECT MATERIAL	Y <input checked="" type="checkbox"/> N	
INCORRECT THICKNESS	Y <input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	AMS-QQ-A-200/B.
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	200635019
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	6061 T6 B 2.50 x 1.50
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	M128054
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	5 14/01/28
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING		61 HRB			

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u> </u>	BY: <u> </u>
DATE: <u>14/01/28</u>	DATE: <u> </u>

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

THYSSENKRUPP MATERIALS NA

PO/Rel 22692

Certificate of Mill Test Results

DART AEROSPACE
ALUMINUM ROUND BAR 6061-T6511
.375" DIA X 144.000"
PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: _____

BL PEC-859916-005

23 Jan 14
Pg 1/1



MILL TEST ASTM B221-12

TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

BILL TO THYSSENKRUPP MATERIALS NA	1773	Cut Code:	1	0.36	DIE NUMBER	S	2333	DATE OF SHIPMENT	11/28/2013	EXTRUDEX ORDER NO.	163810 - 5	MANIFEST NO.	299198
SHIP TO THYSSENKRUPP MATERIALS NA	1773	CUSTOMER NO	PEC-253884		ALLOY	6061	TEMPER	T6511	SALESMAN	FORBES DODWELL	MADE IN CANADA		
SO DESCRIPTION 375" DIA		CUSTOMER PART NUMBER	4-375		PART DESCRIPTION	MILL TEST ASTM B221-12							

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Nov/26/13	43.7	38.9	20.20	89.0, 88.5, 88.8,	

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	P	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
2BV557 6061	0.61	0.17	0.21	0.03	0.88	0.07	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Remainder 0.02

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale
Quality Control Manager

1 - CUSTOMER COPY

MILL TEST ASTM B221-12

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061 T6 B. 375 / M128054
 RECEIVED BY: Lin Dossarden
 DATE: Jan 27th, 2014
 P/O# 22692 MATERIAL CERT RECEIVED YES
 QUANTITY ORDERED: 24' QUANTITY RECEIVED: 0.375 24.0' (2RS)
 THICKNESS ORDERED: 0.375 THICKNESS RECEIVED: 0.375
 SHEET SIZE: — SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
INCORRECT FINISH	Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
INCORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N	
INCORRECT MATERIAL	Y <input checked="" type="radio"/> N	
INCORRECT THICKNESS	Y <input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	ASTM B 221-12
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	163810-5
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	6061 T6 B. 375
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	M128054
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	5 14/01/28
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING		59 HRB			

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>S</u>	BY: <u>—</u>
DATE: <u>01/14/28</u>	DATE: <u>—</u>

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511
3.50" DIA X 144.0000"
PART NO.

PO/Rel 22692

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-859916-006

23Jan14
Pg 1/1



MILL TEST ASTM B221-12

✓
MAY 27

TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

BILL TO	THYSSENKRUPP MATERIALS NA	Cert Code:	1	0.36	DATE OF SHIPMENT	12/5/2013	EXTRUDEX ORDER NO.	163856 - 11	MANIFEST NO.	299612
SHIP TO	THYSSENKRUPP MATERIALS NA	CUSTOMER PO	PEC-253917	4-3500	ALLOY	6061	TEMPER	T6511	SALESMAN	FORBES DODWELL
SO DESCRIPTION	3.5" DIA	CUSTOMER PART NUMBER	4-3500	PART DESCRIPTION	CERTIFICATION MILL TEST ASTM B221-12					

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Dec/03/13	48.4	46.2	11.10	92.0, 91.7, 91.9	

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al	Other
22830 6061	0.56	0.19	0.196	0.069	0.83	0.044	0.00	0.007	0.011	0.00	0.00
											0.00

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Fatale
Quality Control Manager

1 - CUSTOMER COPY


MILL TEST ASTM B221-12

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061 T6 B 3.50 / M128054
 RECEIVED BY: hine Deygarden
 DATE: Jan 27th 2014
 P/O# 22692
 QUANTITY ORDERED: 12.0'
 THICKNESS ORDERED: 3.50"
 SHEET SIZE:

MATERIAL CERT RECEIVED: yes
 QUANTITY RECEIVED: 12.0'
 THICKNESS RECEIVED: 3.50"
 SHEET SIZE RECEIVED:

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
INCORRECT FINISH	Y	<input checked="" type="radio"/> N	
CORROSION	Y	<input checked="" type="radio"/> N	
INCORRECT GRAIN DIRECTION	Y	<input checked="" type="radio"/> N	
INCORRECT MATERIAL	Y	<input checked="" type="radio"/> N	
INCORRECT THICKNESS	Y	<input checked="" type="radio"/> N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	ASTM A221
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	163856-11
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	6061 T6 B 3.50"
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	M128054
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	 14/01/28
		66+5 HRB			

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>S</u>	BY: <u> </u>
DATE: <u>14/01/28</u>	DATE: <u> </u>

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

THYSSENKRUPP MATERIALS NA

PO/Rel 22692

DART AEROSPACE
STAINLESS STEEL SHEET 304-2B
.0600 Nom X 48.0000" X 120.0000"
PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-859916-007

23Jan14
Pg 1/1

Signed by: _____

A company
of ThyssenKrupp
Steels

ThyssenKrupp Mexinox

(COPY/COPIA 02)

TEST REPORT (CERTIFICADO)

CUSTOMER (CLIENTE)

MEXINOX USA

PRODUCT IDENTIFICATION

ITEM No.	COIL NO. No. DE ROLLO	PIECES PIEZAS	HEAT COLADURA	TYPE AND FINISH TIPO Y ACABADO	DIMENSIONS DIMENSIONES	GROSS WT. PESO BRUTO	NET WT. PESO NETO
1	698965 AEMA	1	0501495	304 / 2B UNS S30400	48.00 X COIL X 1219.20 X ROLLO X X .0688 X 1.520	18,007 8,168	17,906 8,122

CHEMICAL COMPOSITION

COMPOSICION QUIMICA (%)

OTHER ELEMENTS (OTROS ELEMENTOS)

ITEM	C	Cr	Mn	N	NI	P	S	SI											
1	.0270	18.0400	1.7100	.0640	8.0300	.0310	.0010	.3200											

MECHANICAL PROPERTIES

PROPIEDADES MECANICAS

ITEM No.	TEST No. No. MUESTRA	D	TENSILE S. R. TENSION	YIELD S. R. FLUENCIA	ELONGATION % ALARGAMIENTO	HARDNESS DUREZA HRB	(HEAD / TAIL) 81.0 / 81.0
1	A891598 A891595	L	91373 PSI 630 MPa	39585 PSI 273 MPa	59.4		

THIS MATERIAL IS DPMR 225-872-1 CLASS COMPLIANT. HEAT SOURCE: ITALY
TEST OF INTERGRANULAR CORROSION / PRUEBA DE CORROSION INTERGRANULAR: OK
THIS MATERIAL COMPLIES WITH CHEMICAL COMPOSITION ACCORDING TO ASTM A 240/A 240M-10B STD. NOM. AND IT COMPLIES ALSO WITH
THE MECHANICAL AND CHEMICAL PROPERTIES ESTABLISHED IN THE FOLLOWING STANDARDS:
MECAN. PROP. ASTM A666-03 ASTM SA440-07, QQ-S-766-D, MIL-S-5057-D,
AMS 55137.

THIS MATERIAL COMPLIES WITH THE CHEMICAL COMPOSITION OF 304 / 304L

"THIS MATERIAL IS FREE OF MERCURY CONTAMINATION"

We hereby certify that in recognition of the terms and conditions set forth in the PU Regs Directive -2002/95/EC, we can insure that all of our products and processes fully comply with it.



MEXINOX
REGED INDOX9411

HECHO EN MEXICO / MADE IN MEXICO

ELABORATED BY
Ricardo Renteria Renteria

PRINTED: 13:52Z JUL-18-11

FORMACION DE: 07-18 REV. 2

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 304-2B 0.062" / M128054
 RECEIVED BY: Lin Dagood
 DATE: Jan 27th, 2014
 P/O# 22692
 QUANTITY ORDERED: 200 sq ft
 THICKNESS ORDERED: 0.062 (16 ga)
 SHEET SIZE: 4' x 10'
 MATERIAL CERT RECEIVED: YES
 QUANTITY RECEIVED: 200 sq ft (5 PCS)
 THICKNESS RECEIVED: 0.061
 SHEET SIZE RECEIVED: 4' x 10' sheet

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
INCORRECT FINISH	Y <input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
INCORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N	
INCORRECT MATERIAL	Y <input checked="" type="checkbox"/> N	
INCORRECT THICKNESS	Y <input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	ASTM A240
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0501495
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	M304S 0.062
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	M128054
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	S 14/01/28
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING		54.5 HRB			

testers located in the Quality Office

34.5 HRB

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>[Signature]</u>	BY: _____
DATE: <u>14/01/28</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

THYSSENKRUPP MATERIALS NA

PART NO.

PO/Rel
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: _____
Attn: _____

Certificate of Mill Test Results
BL PBC-417758-001
Pg 1/3

0302172896

CERTIFIED INSPECTION REPORT

We hereby certify that the material covered by this certificate, was seen inspected with, and has been found to meet the applicable requirements described therein, including any specifications, marking, a part of the description and that samples representative of the material meet the composition limits and that the mechanical properties shown on the face of this sheet. This test report shall not be associated with any other report without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this report without the written approval of the Quality Department. Statements as to fitness on this certificate by any recipient may be obtained at a later date upon application to the:

Joe Woodall
Director of Manufacturing Operational Works
Quality Department Manager

Page 1 of 3

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

1559545
SHIP Date 0 BL No. Invoice No. Ship From: RIVERDALE, TN.
2013-07-05 8077588 00000 Alcoa No. Item 1000494146-1 DP-94146-1
P.O. No./Contract No. Customer Alcoa Item
5400174046 CES 60411875802

SHIP TO: COPPER & BRASS SALERS INC
505 CARLOW DRIVE
UNIT D
BOLINGBROOK 60490 IL

Item Description
0.063 IN TH (+0.0000 -0.0335) X 48.0 IN W (+1.25 -1.25) X 144.0 IN L (+1.5625 -1.5625) (H) R/T 6061-T6 FLAT SHEET FOR DISTRIBUTORS TOLERANCE:
GUDMANTERD ALPLH02640. AMS4027 REV N EXC. MKK
ASTM3209 REV 10 (MARKED) KRAFT PAPER
INTERLEAVED MAX GROSS SKID WGT: 4000 LB CUAN TOL +/-
30 % COR 0229887 REV 02 CUST REQ 13-06-
15 *** N/E 13-07-06 ***

Num	Package Ticket	Lot	Weight	Quantity	DOM	Inspector	Check Numbers
1	536112	469651	3600	88	PC	47397 27846	
2	536176	477146	932	23	PC	47397 27846	
3	536182	469651	3604	88	PC	47397 27846	
4	536185	469651	3506	88	PC	47397 27846	
5	536186	469651	3606	88	PC	47397 27846	
			15348	375			

Notes for COR: 0229887.2
PRODUCT PRODUCED TO THE REQUIREMENTS OF AMS4027 REV N ALSO MEET THE REQUIREMENTS OF AMS-CQ-A-250 11 ORIGINAL REVISIO N DATED 1997-08-01.

COR: 0229887.2 -Specification Limits

Temp	Dir	UTS	YS	21AD
76	Long Transv.	KSI	KSI	PCT
		Max	Max	
		Min	42.0	35.0 10

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

PART NO.

PO/Rel
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: _____
Attn: _____

BL PEC-417758-001

Pg 2/3

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Betendorf, IA 52722

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected fully, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description and that samples representative of the material and the composition limits and that the mechanical properties shown on the face of this sheet.

This test report shall not be reproduced except in full, without the written approval of the Quality Department. No alteration, addition or other change is authorized to be made to this certificate. The removal of this Certificate of Mill Test Results from the material or either of them without the written approval of the Quality Department is prohibited.

Rob Woodell
Rob Woodell
Director of Manufacturing Development, Writing
Terrence Thoen
Quality Assurance Manager

Page 2 of 3

CQR: 0238897.2 - Specification Limits (cont.)

Chemical Composition

Alloy 6061

Lot: 469651

Max 0.8 0.7 0.40 0.15 1.3 0.35 0.25 0.15 0.05 0.15
Min 0.40 0.15 0.8 0.04
REMAIN

Temp Dir Long Transv.

Test

SI FE CU NI MG CR ZN TI
KSI 51.5 43.8 13
KSI 51.4 43.7 13.3
KSI 51.2 43.4 13.2
KSI 51.4 43.9 13.1
KSI 51.1 43.5 12.9
KSI 51.2 43.6 13
KSI 51.1 43.5 13.1
KSI 51.5 44.1 12.9
KSI 51.1 43.5 13.4

Caste Number H3883012
Lot: 477146
Chemical - OBS ST FE CU NI MG CR ZN TI
Actuals 0.63 0.5 0.25 0.07 1.0 0.17 0.03 0.02
Mechanical, Physical, Metallurgy, Quantometer Results

Temp Dir Long Transv.

Test

URS KSI
URS KSI
URS KSI
URS KSI
URS KSI
URS KSI
URS KSI
URS KSI
URS KSI

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

PART NO.

PO/Rel
We certify that this is a true copy of the report furnished by the producer of the metal or data resulting from tests made in approved labs.

Signed by: _____
Alt: _____
BL PEC-41758-001
Pg 3/3

CERTIFIED INSPECTION REPORT

Alcoa Inc.

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship From: RIVERDALE, IA.

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements described therein, including any specifications bearing a part of the description and that samples representative of the material meet the composition limit and that the mechanical properties shown on the face of this sheet. This test report shall not be reproduced except by the written approval of the Quality Department. No alteration, addition or other change is authorized to be made in this certificate. The recording of this, addition, or otherwise fraudulent statements or entries on this certificate by any recipient may be punished as a felony under applicable law.

Redacted
Ted Woodall
Director of Manufacturing Development, W.D. Co.

Terence Thum
Terence Thum
Quality Assurance Manager

Page 3 of 3

Lot: 477146 - Mechanical, Physical, Metallurgy, Quantometer Results (cont.)
Cast Number Chemical - OES SI FE CU MN MG CR ZN YI
H9166011 Actuals 0.65 0.4 0.24 0.05 0.9 0.16 0.07 0.02

This material was melted in the United States or a Qualifying Country (REF DEARS 225.872.1(a)). It was manufactured in the United States

1569545	0	BL No.	Invoice No.	Alcoa Item	DP-94146-1
Ship Date	2013-07-05	8077588	00000	100049416-1	
P.O. No./Contract No.	3400174046	C&B	GD4118775802		

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 S.063 / M128054
 RECEIVED BY: Line Desgarden
 DATE: Jan 27th 2014
 P/O# 22692
 QUANTITY ORDERED: 336 sq'
 THICKNESS ORDERED: 0.063
 SHEET SIZE: —

MATERIAL CERT RECEIVED: Yes (Jan 28th 2014)
 QUANTITY RECEIVED: 336 sq' (7 pcs)
 THICKNESS RECEIVED: 0.063
 SHEET SIZE RECEIVED: 4'x12'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
INCORRECT FINISH	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
INCORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N <input type="radio"/>	
INCORRECT MATERIAL	Y <input checked="" type="radio"/> N <input type="radio"/>	
INCORRECT THICKNESS	Y <input checked="" type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>AMS-QQ-A-250/11</u>
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>46965</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>M6061 T6 S.063</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>M128054</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	5 14/01/28
		<u>56 HRB</u>			

testers located in the Quality Office


QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14/01/28</u>	BY: _____
DATE: <u>14/01/28</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6S-032 M128054
 RECEIVED BY: Kine Desjardins
 DATE: Jan 27th, 2014
 P/O# 22692
 QUANTITY ORDERED: 336.55²
 THICKNESS ORDERED: 0.032"
 SHEET SIZE: 4' x 12'
 MATERIAL CERT RECEIVED: yes
 QUANTITY RECEIVED: 7 Pcs @ 336.55²
 THICKNESS RECEIVED: 0.032
 SHEET SIZE RECEIVED: 4' x 12'

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
INCORRECT FINISH	Y	<input checked="" type="checkbox"/> N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
INCORRECT GRAIN DIRECTION	Y	<input checked="" type="checkbox"/> N	
INCORRECT MATERIAL	Y	<input checked="" type="checkbox"/> N	
INCORRECT THICKNESS	Y	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	N	
CORRECT REF # TO LINK CERT	Y	N	652154AL6
CORRECT MATERIAL IDENTIFICATION	Y	N	M6061T6S-032
CORRECT M# ON THE MATERIAL	Y	N	M128054
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	 14/01/28
		54.5 HB			

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>S</u>	BY: _____
DATE: <u>14/01/28</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

KAISER ALUMINUM FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum
Trentwood Works
Spokane, WA 99215-5108
(800) 367-2586

CUSTOMER PO NUMBER: 5400198100-10		WORK PACKAGE:	CUSTOMER PART NUMBER: ALFLR01643	PRODUCT DESCRIPTION: HT Flat Sheet	
KAISER ORDER NUMBER: 1160927	LINE ITEM: 1	SHIP DATE: 10/28/2013	ALLOY: 6061	CLAD: BARE	TEMPER: T6
WEIGHT SHIPPED: 14385 LB	QUANTITY: 660 PCS EST.	B/L NUMBER: 2044687	GUAGE: 0.0320 IN	WIDTH: 48.000 IN	LENGTH: 144.000 IN
SHIP TO: COPPER & BRASS SALES 905 CARLOW DRIVE UNIT D BOLINGBROOK, IL 60490 US			SEND TO: COPPER & BRASS SALES ATTN: ACCOUNTS PAYABLE P.O. Box 5116 SOUTHFIELD, MI 48086 US		

MHU 1720932: LOT 652154A6: 175 pieces
MHU 1720985: LOT 652154A6: 175 pieces
MHU 1725918: LOT 652058A9: 175 pieces
MHU 1726016: LOT 652058A9: 135 pieces

Certified Specifications

AMS 4027/RevN ASME SB-209/Rev2010 ASTM B 209/Rev10

Test Code: 1511

Test Results:

LOT: 652058A9 CAST: 021 DROP: 55 INGOT: 2

Melted in USA
(ASTM E8/B557)
(EN 2002-1)

Tensile: Temper	Dir/#Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
T6	LT / 02 (Min:Max)	46.6 : 47.4 (321 : 327)	40.3 : 40.7 (278 : 281)	11.4 : 12.3

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.75	0.5	0.32	0.06	1.1	0.19	0.09	0.02	0.01	0.00	TOT 0.05

LOT: 652154A6 CAST: 021 DROP: 40 INGOT: 1

Melted in USA
(ASTM E8/B557)
(EN 2002-1)

Tensile: Temper	Dir/#Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
T6	LT / 02 (Min:Max)	48.2 : 48.7 (332 : 336)	40.4 : 41.6 (279 : 287)	12.3 : 13.1

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.74	0.5	0.33	0.06	1.1	0.19	0.08	0.02	0.01	0.00	TOT 0.05

Plant Serial: 4313803

Kaiser Order Number: 1160927

Line Item: 1

Page 1 of 2

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402923669

CstAr

CstOr 255241

Wgt.: 151.732 LB

Date 01/21/2014

John R. Zumbach

KAISER ALUMINUM FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum
Trentwood Works
Spokane, WA 99215-5108
(800) 367-2586

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
6061	MIN	0.40	0.0	0.15	0.00	0.8	0.04	0.00	0.00	0.00	MAX 0.05
	MAX	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	TOT 0.15

Aluminum Remainder

Miscellaneous Notes

6061 sheet or plate certified to AMS 4025, AMS 4026, or AMS 4027 also meets applicable requirements of AMS-QQ-A-250/11, Rev. A.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser) hereby certifies that metal shipped under this order was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content. This material has been inspected, tested and found in conformance with the requirements of the applicable specifications as indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. All metal which is solution heat treated complies with AMS 2772. Any warranty is limited to that shown on Kaiser's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of Kaiser Aluminum Fabricated Products, LLC laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law. ISO-9001:2000 certified.

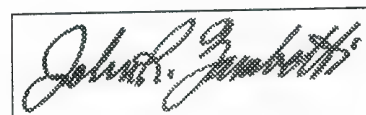
JAMES HEMENWAY, LABORATORIES SUPERVISOR



Plant Serial: 4313803
Kaiser Order Number: 1160927
Line Item: 1

Page 2 of 2

From: ThyssenKrupp Materials NA
Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402923669
CstAr CstOr 255241
Wgt.: 151.732 LB Date 01/21/2014



COPPER AND BRASS SALES**MATERIAL TYPE****ALUMINIUM ALLOYS****PRODUCT DESIGNATION****1100 1350 3003 3004 3105 5005 5083 5086 5182 5454 6061 6063****"WARNING"**

SMALL CHIPS, FINE TURNINGS AND DUST MAY IGNITE READILY. EXPLOSIONPOTENTIAL MAY BE PRESENT WHEN:DUST OR FINES ARE DISPERSED IN THE AIR; FINE, DUST OR MOLTEN ALUMINUMARE IN CONTACT WITH CERTAINMETAL OXIDES; OR, CHIPS, FINES, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH WATER OR MOISTURE. KEEP AWAY FROM IGNITION SOURCE. USE EXPLOSION- PROOF VENTILATION. KEEP MATERIAL DRY.

INHALING LARGE AMOUNTS OF COPPER, MAGNESIUM OXIDE, MANGANESE OXIDE, AND ZINC OXIDE FUMES OR DUST MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS. CHRONIC OVEREXPOUSURE TO COPPER MAY CAUSE THICKENING OF THE SKIN; AND SKIN,TEETH,AND HAIR DISCOLORATION. CHRONIC OVEREXPOUSURE TO MANGANESE DUST CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE,SCARRING OF THE LUNGS AND REPRODUCTIVE HARM IN MALES.TARGET ORGAN IS PRIMARILY THE LUNG,BUT REPEATED HIGH EXPOSURE CAN ALSO AFFECT THE LIVER.CHRONIC OVEREXPOSURE TO TIN DUST OR IRON OXIDE DUST/FUME MAY CAUSE LUNG SIDEROSIS.CHRONIC OVEREXPOUSURE TO SILICON DUST CAN CAUSE CHRONIC BRONCHITIS.

THIS PRODUCT ALSO CONTAINS LEAD AND CHROMIUM COMPOUNDS.LEAD IS KNOWN TO CAUSE REPRODUCTIVE TOXICITY AND IS A KNOWN CARCINOGEN.EXPOSURE TO CHROMIUM DUST OR FUME MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS AND KIDNEY AND KIDNEY AND LIVER DAMAGE.UNDER HIGH TEMPERATURES,HEXAVALENT CHROMIUM MAY BE PRODUCED,IF INTHE INSOLUBLE FORM,IT IS A CONFIRMED HUMAN CARCINOGEN. (CALIFORNIA PROPOSITION 65). IF COATED WITH OIL,MAY CAUSE SKIN IRRITATION/DERMATITIS BY CONTACT. WELDING FUME IS LISTED AS A POSSIBLE CARCINOGENIC TO HUMANS.READ THE ALUMINUM/ALUMINIUM ALLOYS MATERIAL SAFETY DATA SHEET(MSDS) ON FILE WITH YOUR EMPLOYER BEFORE WORKING WITH THIS MATERIAL.

* If processing or recycling produces particulate,use exhaust ventilation or other controls designed to prevent exposure to workers. Examples of such activities include melting, welding,grinding,abrasive sawing,sanding and polishing.Any activity which abrades the surface of this material can generate airborne particulate.Use appropriate NIOSH approved respiratory protection (P95; P100 for lead with, quantitative fit testing required) if exposures exceed the permissible limits.

* The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational exposures.

* Aluminum, in solid form and as contained in finished products presents no special health risk.

* Sold for manufacturing purposes only.This product can be recycled; contact your sales representative.

The Occupational Safety and Health Administration require employers to provide training in the proper use of this product.

For additional information, call or write to Copper and Brass Sales,22355 West Eleven Mile Road, Southfield, MI 48033,telephone248-233-5600, or visit our web site @ www.copperandbrass.com.

ALUMINUM LABEL NO.300-1088

ISSUED 10/01/2008



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO22692

Purchase Order Date 1/20/2014

PO Print Date 1/20/2014

Page Number 1 of 4

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
01/14/01/21

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	CAD
Ship Via:	VENDOR'S TRUCK	FOB	FCA - (Free Carrier)
Ship Acct:			

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M6061T6S.063	6061-T6 .063 Sheet	1/24/2014 Yes 1/24/2014		336.00 ✓ sf	7 \$2.38	\$800.30
MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209							
Line Total:							\$800.30
2	M6061T6S.032	6061-T6 Sheet 0.032"	1/24/2014 Yes 1/24/2014		336.00 ✓ sf	7 \$1.30	\$437.50
MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209							
Line Total:							\$437.50

Note:

1/20/2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO22692

Purchase Order Date 1/20/2014

PO Print Date 1/20/2014

Page Number 2 of 4

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

3	M6061T6B1.500X10.000	6061-T6 Bar 1.500"X10.000"	1/24/2014	36.00	✓ 3	\$34.40	\$1,238.57
		Yes		f			
		1/24/2014					

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-A/200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

Line Total: \$1,238.57

4	M6061T6B0.750X01.000	6061-T6 Bar .750 x 1.00	1/24/2014	12.00	✓	\$2.50	\$30.00
		Yes		f			
		1/24/2014					

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-A/200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

Line Total: \$30.00

Note:

1/20/2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO22692

Purchase Order Date 1/20/2014

PO Print Date 1/20/2014

Page Number 3 of 4

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

5	M6061T6B2.000X08.000	6061-T6 BAR 2.00' X 8.00"	1/24/2014	12.00	✓	\$35.78	\$429.40
			No	f			
			1/24/2014				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-A/200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

Line Total: \$429.40

6	M6061T6B2.500X01.500	6061-T6 Bar 2.50 x 1.50	1/24/2014	24.00	✓ 2	\$8.39	\$201.40
			Yes	f			
			1/24/2014				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-A/200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

Line Total: \$201.40

7	M6061T6R0.375	6061-T6 Round Bar .375"	1/24/2014	24.00	✓	\$1.25	\$30.00
			Yes	f			
			1/24/2014				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-2008 OPR AMS-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

Note:

1/20/2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO22692

Purchase Order Date 1/20/2014

PO Print Date 1/20/2014

Page Number 4 of 4

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	CAD
Ship Via:	VENDOR'S TRUCK	FOB	FCA - (Free Carrier)
Ship Acct:			

Line Total: \$30.00

8	M6061T6R3.500	6061 RD bar 3.50	1/24/2014	0.00	\$0.00	\$0.00
			Yes	f		
			1/24/2014			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-2008 OPR AMS-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

M6061T6R3.500	1/24/2014	12.00	\$22.33	\$267.90
		f		
	1/24/2014			

Line Total: \$267.90

9	M304S16GA	304/316 Sheet .063	1/24/2014	200.00	\$4.15	\$829.91
			Yes	sf		
			1/24/2014			

MATERIAL: AISI 304/316 SS SHEET ANNEALED
AS PER MIL-S-5059 OR AMS 5513 (304)
OR AMS 5524 (316) OR ASTM A240 OR
ASME SA240

Line Total: \$829.91

PO Total: \$4,264.98

Note: Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.
No substitution or deviation without consent.
Certificate of Conformity or Material Certification required ☒ YES ☐ NO
PST# 6122-5207

Change Nbr: 1 Change Date: 1/20/2014